

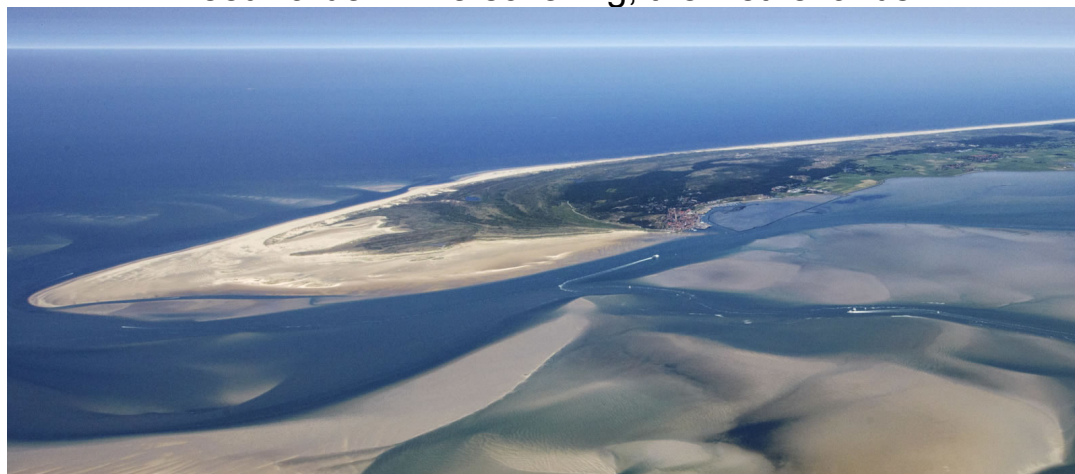
Preliminary Program ISISA 2018

16th Islands of the World Conference 2018

The changing futures of islands

10 – 14 June 2018

Leeuwarden – Terschelling, the Netherlands



Sunday 10 June Leeuwarden - De Blokhuispoort

- 16.30 – 17.15 Registration in Blokhuispoort
17.15 – 17.45 Words of welcome by
- prof.dr. Godfrey Baldacchino (president ISISA);
- prof.dr. Jouke van Dijk (director Waddenacademie)
- drs. Oeds Westerhof (director network & legacy LF 2018)
17.45 – 18.00 Granting of ISISA Scholarships 2018
18.00 - 19.30 Icebreaker reception with drinks and serious finger food

Monday 11 June Leeuwarden – World Trade Centre

- 09.00 – 09.05 Tracy Metz, moderator: Welcome and introduction
09.05 – 09.15 Drs. Ferd Crone, mayor of Leeuwarden: Welcome to Leeuwarden, European Capital of Culture 2018
09.15 – 09.30 Prof.dr. Godfrey Baldacchino, president of ISISA: General introduction
09.30 – 10.15 **The legacy of cultural capitals**
Introduction by drs. Oeds Westerhof (director network & legacy LF 2018) and reflections by drs. Ferd Crone (mayor of Leeuwarden) and prof.dr. Alexiei Dingli (mayor of Valletta, also European Capital of Culture 2018)
10.15 – 10.45 Coffee/tea break
10.45 – 11.30 **Key note theme I: Identity and people**
Prof.dr. Beate Ratter (University of Hamburg):
Identity in „Liminality“; The Wadden Sea islands in a constant state of flux
11.45 – 13.15 Parallel sessions 1
13.15 – 14.00 Lunch
14.00 – 16.00 Parallel sessions 2



- 16.15 – 19.30 Bus excursion from Leeuwarden through the Frysian coast to Harlingen
 19.30 – 21.30 Boat Harlingen – Terschelling, including dinner

Tuesday 12 June Terschelling – Maritime Institute Willem Barentsz

- 09.00 – 09.10 Bert Wassink, mayor of Terschelling: Welcome to Terschelling
 09.10 – 09.20 Marcel Krijnen, vice director Maritime Institute Willem Barentsz:
 Welcome to Maritime Institute Willem Barentsz
 09.20 – 09.30 Prof.dr. Gerard Persoon (University Leiden), moderator: Introduction
 09.30 – 10.15 **Key note Theme II: Geography and nature**
 Dr. Pieter van Beukering (Free University Amsterdam)
The value of natural capital in small island societies: evolving perspectives
 10.15 – 10.45 Coffee/tea break
 10.45 – 12.45 Parallel sessions 3
 12.45 – 13.30 Lunch
 13.30 – 15.30 Parallel sessions 4
 15.30 – 16.00 Coffee/tea break
 16.00 – 18.00 Parallel sessions 5
 18.15 – 19.45 Reception, offered by the five Wadden islands
 Hotel Boschrijck
 20.00 – 21.00 ISISA Executive Committee Meeting (for Executive Members only)
 Maritime Institute Willem Barentsz.

Wednesday 13 June Terschelling – Maritime Institute Willem Barentsz

- 09.00 – 09.15 prof.dr. Jouke van Dijk (Waddenacademie), moderator: Welcome and introduction
 09.15 – 10.00 **Key note Theme III: Economic Development**
 Prof.dr. Harvey Armstrong (University of Sheffield)
The economic performance of small Islands: challenges and opportunities
 10.00 – 10.30 Coffee/tea break
 10.30 – 12.30 Parallel sessions 6
 12.30 – 13.15 Lunch
 13.30 – 17.00 Excursion on Terschelling
 19.00 – 21.00 Conference dinner
 Hotel Schylge

Thursday 14 June Terschelling – Maritime Institute Willem Barentsz

- 09.00 – 09.15 Prof.dr. Godfrey Baldacchino (ISISA), moderator: Welcome and introduction
 09.15 – 10.00 **Key note Theme IV: Governance**
 Prof. dr. Gert Oostindie (director KITLV):
Small-scale, insularity and (non-)sovereignty: postcolonial legacies and practices in governance
 10.00 – 10.30 Dr. Justyne Caruana, Minister for Gozo Malta:
Decentralized and centralized governance on islands
 10.30 – 11.00 Kees Lever, Division Director State Forestry Service:
*A new standard for National Parks in The Netherlands:
 The case of the Wadden Sea area*
 11.00 – 11.30 Coffee/tea break
 11.30 – 13.30 Parallel sessions 7
 13.30 – 14.15 Lunch
 14.15 – 14.45 ISISA General meeting



- 14.45 – 15.15 Godfrey Baldacchino and scholarship awardees:
Looking back, summing up and moving forward
- 15.15 – 15.30 Conference Handover to Bojan Furst, the Leslie Harris Centre of Memorial University
of Newfoundland, Canada
- 15.30 – 15.45 Godfrey Baldacchino: Conference closing
- 15.45 – 16.00 Walk to het Groene Strand
- 16.00 – 16.15 Marelle van Rongen, general director Oerol: What is Oerol about?
- 16.15 – 16.30 Walk to two Oerol projects
- 16.00 – 17.00 Preview Oerol projects
- 17.00 – 18.00 Farewell drinks

Friday 15 June Terschelling (no part of the official program)

- 07.30 – 10.00 Breakfast and check out

With those who have registered and paid, we will attend an Oerol performance in the morning. We will make sure that everyone can catch the ferry of 12.30 hours.

All participants of the conference have to arrange their own transport from Terschelling to Harlingen.



Parallel sessions

Leeuwarden WTC

Monday 11 June **Parallel sessions 1** **11.45 – 13.15**

Room: Amsterdam **The interaction between sea level rise, subsidence and sedimentation in the Wadden Sea; projections to 2030, 2050 and 2100**
Chair: Ad van der Spek

- a. **Rising sea level scenarios in the Wadden Sea (2030; 2050; 2100)**
Bert Vermeersen
TU Delft
Netherlands
- b. **Subsidence scenarios in the Wadden Sea (2030; 2050)**
Peter A. Fokker
TNO
Netherlands
- c. **Sedimentation scenarios in the Wadden Sea (2030; 2050; 2100)**
Zheng Bing Wang
Deltares & TU Delft
Netherlands
- d. **Rising sea level, subsidence and sedimentation synthesis scenarios; conclusions and knowledge gaps**
Ad van der Spek
Deltares
Netherlands

Room: London **Visitor pressure on islands**
Chair: Robin Kearns

- a. **Monitoring visitor pressure around islands**
Erik Meijles
University of Groningen
Netherlands
- b. **Hubs in a sea of knowledge. IMRAMA – Wetland wanderers islands offer sea vista's**
Jeroen van Westen
Imrama – Wetland wanderers
The Netherlands
- c. **One island, two worlds: Tensions between 'over-tourism' and long-time residents on Waiheke Island, New Zealand**
Robin Kearns
School of Environment, University of Auckland
New Zealand



Room: Madrid **Island shared identities across national boundaries**
Chair: Marina Karides

- a. **What are the factors that shape university research management in small island states?**
Cristian Bonnici
University of Malta
Malta
- b. **Islands and Emotions. How does insularity affect people?**
Christian Bonnici
University of Malta
Malta
- c. **Are Greek Islanders Indigenous?**
Marina Karides
University of Hawai'i at Hilo
United States

Room: Paris **Islands as icons in the sustainability discourse**
Chair: Jan Boersema

- a. **How Islands Can Show the Way to a Sustainable Future**
Peter Meincke
ISISA
Canada
- b. **Easter Island, Earth Island?**
Jan Boersema
Institute of Environmental Sciences, Leiden University
The Netherlands

Room: Praag **Discussion panel: Islands and scale:
some shifting stakes of contemporary debate**
Chair: Jonathan Pugh

The question of scale has always been central to island studies. Whether through an engagement with relational and archipelagic forces, the employment of fractals, or the prominent positioning of island studies within the Anthropocene, today questions of scale are receiving attention in new ways. What does the recent revisiting of scale raise for methodology, ethics and politics in island studies? In this discussion, Michelle Stephens, Elaine Stratford and Jonathan Pugh explore their recent work in this area, the different and overlapping ways through which we are rethinking the scalar and islands in the contemporary era.



Monday 11 June Parallel sessions 2 14.00 – 16.00

Room: Amsterdam **Colonial and post-colonial islands**
Chair: Anna Baldacchino

- a. **Being in Nueva Cádiz: Social Interactions across 1498 in the Early 16th-Century Town on the Island of Cubagua, Venezuela**
Andrzej T. Antczak and Ma. Magdalena Antczak, directed by Prof. Corinne Hofman.
Leiden University & Unidad de Estudios Arqueológicos, Universidad Simón Bolívar, Venezuela
Netherlands
- b. **Analyzing Perceptions of Decolonization: Redefining Hawai'i as a Colonial Island**
Emerald Naylor
University of Prince Edward Island
Canada
- c. **Meta Earth, virtual Mars: Science and colonialism on Hawaiian mountains tops**
Katharine Sammler
California State University
USA
- d. **Global or Local? Language and Colonialism in Small Island States**
Anna Baldacchino
University of Malta
Malta

Room: London **Island biogeography and implications for conservation**
Chair: W.S. Kong

- a. **Stewards of Biodiversity: Indigenous Peoples of the Philippines, Their Knowledge System and Practices, and the Environment.**
John Vincent Castro
Ateneo Human Rights Center, Ateneo Law School
Philippines
- b. **Anthropogenic drivers on island biodiversity**
Sietze Norder
Centre for Ecology, Evolution and Environmental Changes (cE3c) / Azorean Biodiversity Group;
Portugal
- c. **Paleogeography and the Paleo Islands and Archipelago Configuration (PIAC)**
Sietze Norder
Institute for Biodiversity and Ecosystem Dynamics (IBED) / BIOMAC group
Portugal
- d. **Island Biogeography of Plants on the Continental Shelf**
Hyunhee Kim, D.B. Kim, W.S. Kong, C.H. Jeon, C.S. Kim
Department of Geography, College of Sciences, Kyung Hee University
South Korea



Room: Madrid

Living on heritage islands

Chair: Wilma de Vries

- a. Identity through the Past: Archaeosocial initiatives in Los Roques Archipelago, Venezuela**
Maria Magdalena Antczak and : Andrzej T. Antczak
Faculty of Archaeology, Leiden University (both) and Unidad de Estudios Arqueologicos,
Universidad Simon Bolivar, Venezuela (both)
Netherlands and Venezuela
- b. The Guaiquerías are an indigenous ethnic group spread around Margarita Island, Venezuela.**
Oliver Antczak
University of Cambridge
United Kingdom
- c. Exploring the importance of intangible cultural heritage in building children's identity.**
Stephany Herold
PICHA Foundation
Trinidad and Tobago
- d. Young adult everyday life experiences and future perspectives on the Frisian Wadden Islands**
Wilma de Vries, Thialda Haartsen
Fries Sociaal Planbureau and University of Groningen
Netherlands

Room: Paris

Rethinking models for island development

Chair: Torben Dall Schmidt

- a. Rural Institutions for Development: The Case of Santo Antão Island in Cabo Verde**
Cristina Maria Paulino and Maria Isabel de Deus Mendes
University of Lisbon
Portugal
- b. Push and pull factors in recruitment, selection and retention of teachers in remote areas.**
Frank Cörvers
Maastricht University
Netherlands
- c. Sustainability issues arising from island public policies of the European's Union**
Pantelina Emmanouilidou
University of Limoges
France
- d. The Importance of Harbours on Danish Islands for Employment**
Torben Dall Schmidt
University of Southern Denmark
Denmark



Terschelling Maritime Institute Willem Barentz Hotel Schylge

Tuesday 12 June Parallel sessions 3 10.45 – 12.45

**Room 1 Media in the Caribbean: Journalism in small (post)colonial societies
Chair: Gert Oostindie**

- a. **Media perspectives on changing (post)colonial relations in the Kingdom of the Netherlands**
Birgit Kreykenbohm
University of Aruba
Aruba
- b. **Capacity building while assessing the media landscape in SIDS**
Renske Pin
Independent Researcher / RE-Quest Research & Consultancy
Curacao
- c. **News Beyond Journalism in Caribbean Island Communities**
Sanne Rotmeijer
KITLV / Leiden University, The Netherlands
Netherlands
- d. **Media in the Caribbean: Journalism in small (post)colonial societies**
Simon Pipe 2
St Helena Online / Coventry University
United Kingdom

**Room 2 Natural resources on and around islands/Islands and climate change
Chair: Wooseok Kong**

- a. **At the Nexus of SIDS and AOSIS: The Maldives, maximizing short-term development, and planning for eventual evacuation**
Andrea Simonelli
Virginia Commonwealth University
USA
- b. **The water sector in small islands: An institutionalist approach.**
Ourania Papasozomenou
IRI THESys, Humboldt University of Berlin
Germany
- c. **Economic valuation of disaster prevention by coral reefs in small islands**
Yoko Fujita
University of Ryukyus
Okinawa, Japan
- d. **Future of insular relict high mountain plants under global warming**
Wooseok Kong, H.H. Kim, D.B. Kim, H.H. Song, G.Y. Hwang



Kyung Hee University
Korea

Room 3

Islands identities
Chair: Hideki Hasegawa

- a. **Where do islands begin and end? A comparative approach to the fluidity of islands in Eastern Indonesia**
Elena Burgos-Martinez and Annet Pauwelussen
KITLV and Leiden University
Netherlands
- b. **Counting the islands of Scandinavia**
Anders Källgard
Insula, Sweden
- c. **Insular Borderlands**
Nathan Bond
University of Melbourne
Australia
- d. **Corsican Nationalism and Territorial Continuity.**
Hideki Hasegawa
Yokohama National University
Japan

Room 4

Rethinking models for island development (continued)
Chair: Jennie Teasdale

- a. **Nature Boulevard Terschelling**
Gerard Roos
Stichting Natuurherstel Baai Dellewal
Netherlands
- b. **Creative or deceptive?**
Rose Marie Azzopardi
University of Malta
Malta
- c. **Innovative models of care delivery in archipelagic communities**
Rosi Alexander
Robert Gordon University
Scotland
- d. **ISISA conferences come and go, but what do they leave behind?**
Bob & Jennie Teasdale
independent researchers
Australia



Tuesday 12 June Parallel sessions 4 13.30 – 15.30

Room 1 Colonial and post-colonial islands
Chair: Lydia Ladim

- a. **Colonial Rule and Conflict in German Micronesia**
Silke Hensel
University of Münster
Germany
- b. **Governing ST. Helena**
Simon Pipe
St Helena Online / Coventry University
United Kingdom
- c. **Turning Archipelagic Relations on a small isle. A case study of Dongjiyu Island, Taiwan**
Wei-Chieh Lin
National Taiwan Normal University
Taiwan
- d. **Implementation of an International Treaty Across a Small Island Developing State: The UN Convention on The Elimination of all Forms of Discrimination Against Women (CEDAW) in Cabo Verde.**
Lydia Ladim
University of Massachusetts, Boston
USA

Room 2 Unique ecological characteristics of islands
Chair: Martin Stock

- a. **Participation in island and nature management**
Remi Hougee
Staatsbosbeheer
Netherlands
- b. **Ecological Services of Viti Levu (Fiji)**
Kei Kawai
Kagoshima University
Japan
- c. **WADSnex? Morphodynamic modelling tools for the sustainable management of barrier coasts**
Koen Reef
University of Twente
The Netherlands
- d. **Born to be wild!**
Martin Stock
National park Administration, Schleswig-Holstein
Germany



Room 3 **The Bridge Effect: Critical Reflections in the Age of Technological Solutionism**
Chair: Laurie Brinklow

- a. **“Guid gear gangs into sma buik”**: Small bridges, big success?
Andrew Jennings
University of the Highlands and Islands
- b. **The Confederation Bridge: A permanent fixture but a lost island?**
Ms. Janice Pettit
University of Prince Edward Island
- c. **Fixed links in Shetland: A continuing debate**
Ms. Charlotte Slater
- d. **Virtual bridges: Connecting islands through technology**
Fleur Ward, University of the Highlands and Islands
- e. **The phenomenology of the crossing: What we’re missing**
Dr. Laurie Brinklow
Prince Edward Island, Canada

Room 4 **Islands as icons in sustainability discourses and laboratories for innovation**
Chair: Nanne van Hoytema

- a. **Cultural landscape development**
Bruno Doedens and Juul Limpens
SLeM - Stichting Landschapstheater en Meer and Wageningen University
Netherlands
- b. **The island as a front runner in energy transition**
Albert de Hoop
Municipality of Ameland
Netherlands
- b. **Turning an old city into a smart City: the case of Valetta**
Alexiei Dingli
University of Malta
Malta
- c. **Eco-tourism and sustainable economy in the Adriatic Sea**
Nanne van Hoytema
By the Ocean we Unite Foundation
Netherlands



Room 1 **Safety and security on islands**

Chair: Eva Maria Knoll

- a. **The impact of the refugee crisis on the Greek islands in the Aegean Sea.**
Dimitris Ballas
University of Groningen
Netherlands
- b. **Island Governance Topic: Island Disaster Management and Social Impact Analysis**
Marsel Fahi
Research Consultant
Virgin Islands
- c. **Rhetoric and reality of islander migration linked to climate change**
Ilan Kelman
University College London and University of Adger
United Kingdom
- d. **From personal to anonymous blood security: Changing futures of blood donors and blood donation in the Maldives**
Eva Maria Knoll
Institute for Social Anthropology, Austrian Academy of Sciences
Austria

Room 2 **Explorations in Relational and Archipelagic Island Studies**

Chair: Adam Grydehøj

this session is sponsored by the International Geographical Union's Commission on Islands

- a. **Archipelagos of the Mind: The Construction of Archipelago Relationalities in Imperial and Contemporary China.**
Adam Grydehøj and Jonathan Pugh
Island Dynamics
Denmark
- b. **Turning an island in relational space. Indigenous movements on Pongso no Tau (Orchid Island), Taiwan**
Huei-Min Tsai
National Taiwan Normal University
Taiwan
- c. **From thinking with to phasing within relation: The shifting stakes of island studies in the Anthropocene.**
Jonathan Pugh
Newcastle University
United Kingdom



d. **Decolonizing Papua New Guinea: Discourses of development and the conceptualization of Papua New Guinea as a Pacific island state**

Yaso Nadarajah
RMIT University

Room 3 **Islands: Journalism and literature**
Chair: Elaine Stratford

a. **Journalism challenges in a small scale society – the case of Curacao**

Renske Pin
Independent researcher
Curacao

b. **Navigation and negotiation in the narratives of the halo halo generation**

Tabitha Espina Velasco
Washington State University
United States of America

c. **Reporting, narratives and journalism: theoretical considerations**

Elaine Stratford
Institute for the Study of Social Change, University of Tasmania
Australia

Room 4 **Island agriculture, fisheries and conservation**
Chair: Stefano Malatesta

a. **Rainforestation and abaca: a case study for forest restoration on Negros island, Philippines**

Christiaan Serrado, Pol Carino and Mr. Christian Perez Serado
Pederasyon sa Nagkahiusang mga Mag-uuma nga Nanalipud ug Nagpasig-uli sa Kinaiyahan
(PENAGMANNAK) and Foundation University
Philippines

b. **Clash or understanding? – Fisheries management on Bonaire.**

Stacey Mac Donald
KITLV / Royal Netherlands Institute of Southeast Asian and Caribbean Studies
Netherlands

c. **A Caribbean Icon – Challenging Queen Conch management on The Bahamas**

Lars Bomhauer-Beins
University of Hamburg
Germany

d. **Social resilience in the Maldives: just ecological matters?**

Stefano Malatesta
University of Milano-Bicocca, MaRHE Center
Italy



Room 1 **Island as contested areas**
Chair: Gerard Persoon

- a. **The island's governance uncertainty: territory under inaction at Ilha do Mel/Southern Brazilian coast.**
Daniel Hauer
Centre of Marine Studies / Paraná's Federal University
Brazil
- b. **Subnational Islands in federated states: A description and exploration of asymmetric relationships**
James Randall
University of Prince Edward Island
Canada
- c. **Legalizing islandness – benefits and shortcomings of the new Croatian Island Act**
Nenad Starc, Sean Turner
The Institute of Economics, Zagreb and SMILO -Small Island Organization
Croatia
- d. **Small Islands in Indonesia: types, numbers, resources and forms of governance**
Gerard Persoon
Leiden University
Netherlands

Room 2 **Climate change beyond small island developing states (SIDS)**
Chair: Beate Ratter

- a. **Climate change-induced internal migration challenges and prospects - A case study from Yap.**
Murukesan Krishnapillai
College of Micronesia-FSM
Japan
- b. **Looking Beyond the SIDS Label**
Michael Schwebel
100 Resilient Cities / Rockefeller Foundation
USA
- c. **SIDS and global climate change**
James Ellsmoor
Institute for Northern Studies, University of the Highlands and Islands
United Kingdom
- d. **Climate change beyond SIDS**
Jan Petzold
Institute of Coastal Research, Hamburg
Germany



Room 3 **Islands and forms (of visual and narrative) representation**
Chair: Martin Döring

- a. **Megabytes of doom: Exploring disaster through island photography**
Ilan Kelman
University College London and University of Agder
United Kingdom
- b. **The notion of de-territorialisation**
Bochra Benaissa, Elaine Stratford and Tabitha Espina Valesco
The University of Northampton
United Kingdom
- c. **Notions of home in the construction of island identity**
Rosie Alexander
University of the Highlands and Islands
Scotland
- d. **Emotional 'Islandscapes': Islandness and Affective Senses of Place among Islanders on the North Frisian Islands (GER)**
Martin Döring and Beate Ratter
University of Hamburg
Germany

Room 4 **Entrepreneurship and economic development**
Chair: Harvey Armstrong

- a. **Translocal community resources: New voices in the development of rural islands.**
Karin Larsen, Rikke Brandt Broegaard, Lene Havtorn Larsen
Centre for Regional and Tourism Research
Denmark
- b. **Comparison of Development Issues in the Bahamas and the Philippines**
Karl Szekiolda
Hunter college
USA
- c. **The impact of the phosphate-mining on the uninhabited isles of Taiwan in the Japanese colonial period (1895-1945).**
Su-Bing Chang
National Taiwan Normal University
Taiwan
- d. **On the impact of the 2008 financial crisis and its aftermath on (global) island economies**
Harvey Armstrong (Sheffield University) with Robert Read (Lancaster University)
United Kingdom



Thursday 14 June Parallel sessions 7 11.30 – 13.30

Room 1 Islands as icons in sustainability discourses and laboratories for innovation
Chair: Keron Niles

- a. **Tour guides and hidden tourism imaginaries of sustainability on the island of Gotland Sweden.**
Consuelo Griggio
Uppsala University
Sweden
- b. **Wadden Sea Islands as test beds for sustainable development and laboratories for innovation**
Nora Mehnen, Ingo Mose, Peter Schaal and Frans Sijtsma
Applied Geography and Environmental Planning Research Group, Carl von Ossietzky University Oldenburg & Young Wadden Academy,
Germany
- c. **The culture of nature. When islands 'disappear', are they really gone?**
Jacqueline Heerema
Satellietgroep
The Netherlands
- d. **The need for Sustainable Convergence: making a case for a "Green Economy of the Caribbean Sea**
Keron Niles
The University of the West Indies
Trinidad and Tobago

Room 2 Discussion panel: Explorations in relational and archipelagic islands studies
Chair: Adam Grydehøj
this session is sponsored by the International Geographical Union's Commission on Islands

Panelists:

1. Adam Grydehøj (Editor of Island Studies Journal)
2. Jonathan Pugh (Newcastle University)
3. Yaso Nadarajah (RMIT University)
4. Michelle Stephens (Rutgers University)



Room 3 **Green/Blue Growth – sustainable development and climate change on islands**
Chair: Pier Vellinga

a. Implications of blue growth initiatives on islands

Anette Breckwoldt

Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research (AWI)
Germany

b. The adaptation of the food system on Yap and environmental fluctuations

Tessa Edenhart-Pepe

University of Pennsylvania
USA

c. Pacific SIDS, democracy and deep-sea mining

Jane Verbitski

AUT University
New Zealand

d. Opportunities for island based food production under saline conditions.

Pier Vellinga and Arjen de Vos

Waddenacademie and Salt Farm Texel
Netherlands

Room 4 **Economic development and decision making**
Chair: Tim Botkin

a. The Chatham Islands (New Zealand): economic forces and governance

Geoff Bertram

Victoria University of Wellington
New Zealand

b. Controlled Vehicular Access in Valetta (Malta)

Alexiei Dingli

University of Malta
Malta

**c. Applying the Lever of Sustainability Science to Elevate Island Community Decision-making:
The UHMC Sustainability Lens**

Tim Botkin

University of Hawaii Maui College
United States

